

FIG. 1A

hlama5	domain VI MARLKGAGSALCVKRGPRGAPPELLVGLIALLGAAREEAGGFSIHPYPFNLAGARTAAATCGEAPANGSPRTE 76
hlama5	DIYCKLVGGPVAGDGNMOTIRGOYCDICTAANGKXAHPSNAIDGTERWQSPPLSLRGLEYNEENVTLADI.GOVHAYVLIKFANSPRDLWILERSMDPRTYQWPQFASSSRDCLERFGPOTLERITDDAAICTTEVSRIYPLNGEIVVSLVNGR 238
mlama5	DIYCKLVGGPVAGDGNMOTIRGOYCDICTAANGKXAHPSNAIDGTERWQSPPLSLRGLEYNEENVTLDLGQVHAYVLIKFANSPRDLWILERSMDPRTYQWPQFASSSRDCLERFGPOTLERITDDAAICTTEVSRIYPLNGEIVVSLVNGR
hlama5	domain V PCMANFSGYSLRLRFTKATNVRLRFLRNTLLGHLMGKALRDPVTRRYYSIKDISIGRKVCVCHGHADACDAKDPTDFRLQCTCOHNTGCTCDRCCKGPNQDWPKEATANSANCOSKCYGHATDCYDPEVDRRASOSLDGTYQGQGVCLDCQH 398
mlama5	PCMANFSGYSLRLRFTKATNVRLRFLRNTLLGHLMGKALRDPVTRRYYSIKDISIGRKVCVCHGHADACDAKDPTDFRLQCAQHNTGSSGSCRCCKGPNQDWPKEATANSANCOSKCHGHATDCYDPEVDRRNASQNDVYQGQGVCLDCQH
sanger	HTAGVNCERCIPGTYRSPNHPLDSPHVCRNCNCESDFTDGTCEDLTGRCYCRPNFSGERCIDVCAEGTTPGSCYPTPS--SSNDTREQVLPAQOIVNCDCSAAGTQGNACRKDPVGRCLCKENFQGTGHELCAPGFGQCGQPCQSSPGVADURCDPDT 557
hlama5	HTTGINCERCIPGTYRSPNHPLDSPHVCRNCNCESDFTDGTCEDLTGRCYCRPNFSGERCIDVCAEGTTPGSCYPTPS--SSNDTREQVLPAQOIVNCDCSAAGTQGNACRKDPVGRCLCKENFQGTGHELCAPGFGQCGQPCQSSPGVADURCDPDT 557
mlama5	HTTGINCERCIPGTYRSPNHPLDSPHVCRNCNCESDFTDGTCEDLTGRCYCRPNFSGERCIDVCAEGTTPGSCYPTPS--SSNDTREQVLPAQOIVNCDCSAAGTQGNACRKDPVGRCLCKENFQGTGHELCAPGFGQCGQPCQSSPGVADURCDPDT 557
hlama5	GQCRKRVGEGATCDRCAPGYHFHPLCOLGCSAGTILPBGCDGAGRLCQPEFAGPHCDRCRPGYHGPNCQACTCDPRGALDOLCGAGGLCRCPGVTGTAQCECPGPHGFPSCVFPCHCSABGSLHAACDPRSGQSCRCRPRVTGLRCDTCVPGAYNF 717
mlama5	GQCRKRVGEGATCDRCAPGYHFHPLCOLGCSAGTILPBGCDGAGRLCQPEFAGPHCDRCRPGYHGPNCQACTCDPRGALDOLCGAGGLCRCPGVTGTAQCECPGPHGFPSCVFPCHCSABGSLHAACDPRSGQSCRCRPRVTGLRCDTCVPGAYNF 717
hlama5	domain IVb PYCBAGSCHPAGLAPVDPALPEAQVPCWRAHVGEPSCDRCYGGWGLSPSNPRGCTRCSDLRGLGVYARQDPTGTCCKHHVCGQAACASCDGFFGLDQADYFCRSCRCDDIGGALGQSCBPRTVGVCRCRPNTOGGTCESEPARHLYPLDHLHRLR 877
mlama5	PYCBAGSCHPAGLAPVDPALPEAQVPCWRAHVGEPSCDRCYGGWGLSPSNPRGCTRCSDLRGLGVYARQDPTGTCCKHHVCGQAACASCDGFFGLDQADYFCRSCRCDDIGGALGQSCBPRTVGVCRCRPNTOGGTCESEPARHLYPLDHLHRLR 877
hlama5	LEEAAIPGCHAVRFGFNPLRFENFSGYAGMALPYQPRIVASRLNLTSPDLFWLFRYVNRGAMSVGRVSVREGRSAACNCTAQSQVAFPTSTEPAPFTVPPQGRGEPFVLPNGPTWALRVEAEGVLLDYVWLLPSAYTEAALQLRVTEACTYRPSA 1037
mlama5	LEEAAIPGCHAVRFGFNPLRFENFSGYAGMALPYQPRIVASRLNLTSPDLFWLFRYVNRGAMSVGRVSVREGRSAACNCTAQSQVAFPTSTEPAPFTVPPQGRGEPFVLPNGPTWALRVEAEGVLLDYVWLLPSAYTEAALQLRVTEACTYRPSA 1037
hlama5	QOQSDNCLLYTHLPDLPSPSAGLEALCRQDNLSPRCPTTEOLSPSHPLLTCTGSDVDVQVQVAVPQGRYALWVEYANEDARQEVGVAVHPQKAPQOGLLSLHPCLYSLTCRGTAQDTHLAVPHLDSEASVRLTAEOARFELHGVTLVPIESFSP 1197
mlama5	LHSTENCLVYAHLPDLPSPSAGLEALCRQDNLSPRCPTTEOLSPSHPLLTCTGSDVDVQVQVAVPQGRYALWVEYANEDARQEVGVAVHPQKAPQOGLLSLHPCLYSLTCRGTAQDTHLAVPHLDSEASVRLTAEOARFELHGVTLVPIESFSP 1197
hlama5	BEVERVSCISSHGARGNSACLPSRPPKPPQPIILLRDCQVILPPLGLPITHAQLDTPATSPAGPRPPTAVDPAEPTLLRREPQATVFTTHVPTLGRYAFLLHGYPQAHPTFPVEVLINAGRWGCHANSFCBHGKCRNLLVYCEGALLDVTHS 1357
mlama5	BEVERVSCISSHGARGNSACLPSRPPKPPQPIILLRDCQVILPPLGLPITHAQLDTPATSPAGPRPPTAVDPAEPTLLRREPQATVFTTHVPTLGRYAFLLHGYPQAHPTFPVEVLINAGRWGCHANSFCBHGKCRNLLVYCEGALLDVTHS 1357
hlama5	ELTVTVRVPGRWLMIDVILVVPENVISFGYLREPLDKSYDFISHCAAGYHISPSSSSILFCRNAASLSIFVYNGARPCGCGHEVGATGPTCEBPGQCPCHAHVIGRDCRSCATGYWGFNCPDCCGALCDELTCGCTCPPTIPDCLICQDPTF 1517
mlama5	ELTVTVRVPGRWLMIDVILVVPENVISFGYLREPLDKSYDFISHCAAGYHISPSSSSILFCRNAASLSIFVYNGARPCGCGHEVGATGPTCEBPGQCPCHAHVIGRDCRSCATGYWGFNCPDCCGALCDELTCGCTCPPTIPDCLICQDPTF 1517
hlama5	GCHPLVGCBCNCSGGLQELDPTCDTDSGQCRPNVTGRRCDTCSIPGHVYPRCPDCHERAGTAPGVCDPLGQCYCKENVQKCDQCSLGTFSLDAANPKGCTCTCPGATRCSSSYTRQEPFDMGCVLLSTDQVVPBHRQPGTEMLRAD 1677
mlama5	GCHPLVGCBCNCSGGLQELDPTCDTDSGQCRPNVTGRRCDTCSIPGHVYPRCPDCHERAGTAPGVCDPLGQCYCKENVQKCDQCSLGTFSLDAANPKGCTCTCPGATRCSSSYTRQEPFDMGCVLLSTDQVVPBHRQPGTEMLRAD 1677
hlama5	IRHVPVAVPAPPELYWQAPPSTYLDGRVSSYGTLRYELHSETKRGVIVFVPMESRPNVVLQGNMSITFLPAPYFTRGSHRQLOLVGNFHTTNTVSGREELMNVLASLEOLOIRALFSQISSASVLSRVALEVASPAGGALASNVLCICLPASY 1837
mlama5	IRHVPVAVPAPPELYWQAPPSTYLDGRVSSYGTLRYELHSETKRGVIVFVPMESRPNVVLQGNMSITFLPAPYFTRGSHRQLOLVGNFHTTNTVSGREELMNVLASLEOLOIRALFSQISSASVLSRVALEVASPAGGALASNVLCICLPASY 1837

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FIG. 2A

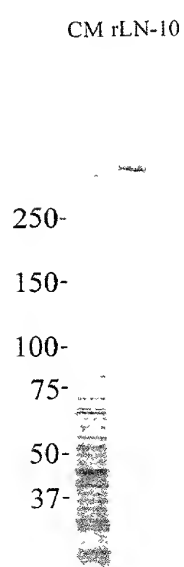


FIG. 2B

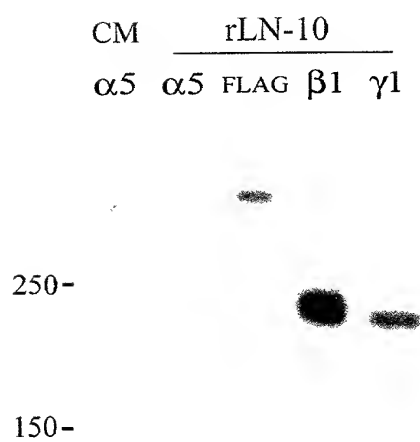


FIG. 2C

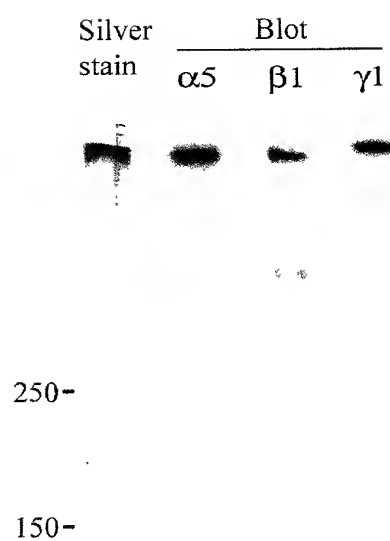


FIG. 3A

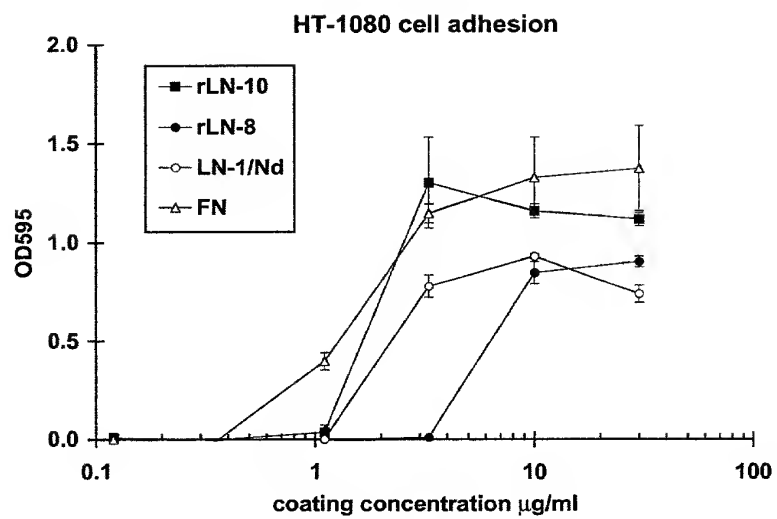


FIG. 3B

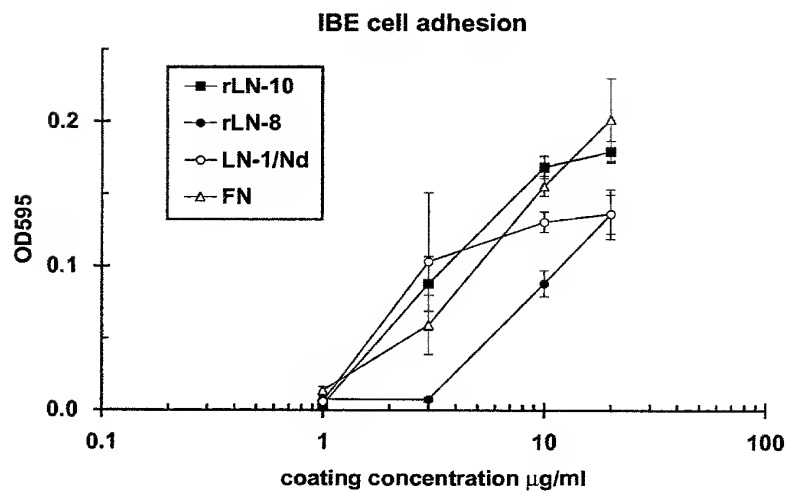


FIG. 3C

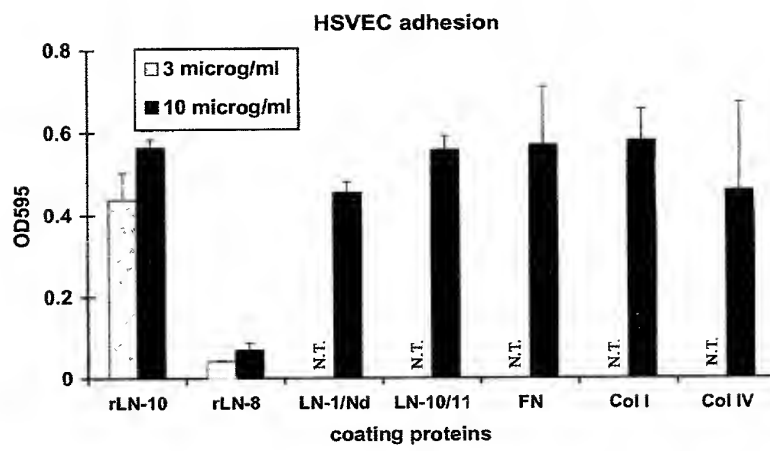


FIG. 4

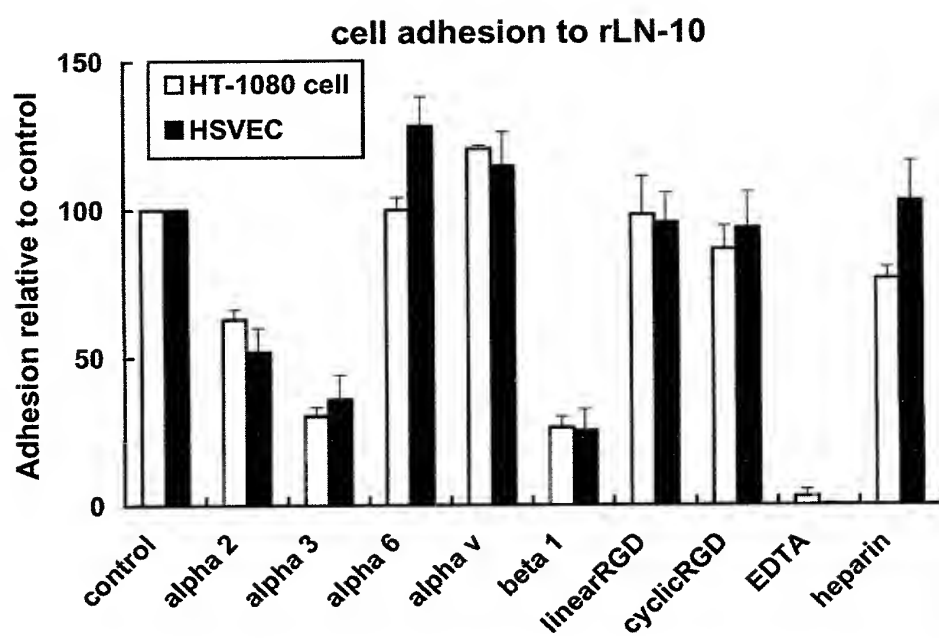


FIG. 5

